

Specifications — RGB 324, RGB 326, RGB 340

Video

Gain	Unity (0.7V p-p), (0.8V p-p) 15% with 3dB peaking, (0.9V p-p) 30% with 6dB peaking
Bandwidth	300 MHz (-3dB)

Video input

Number/signal type	1 analog RGBHV, RGBS, RGSB, RsGsBs
Connectors	1 9-pin D male analog for MBC/LBC cable
Minimum/maximum levels	Analog 0.3V to 1.45V p-p with no offset at unity gain
Impedance	75 ohms or Hi Z, switchable (set to 75 ohms if no local monitor is connected)
Horizontal frequency	15 kHz to 100 kHz (optimum 15 kHz to 62 kHz)
Vertical frequency	30 Hz to 170 Hz

Video output

Number/signal type	1 analog RGBHV, RGBS, RGSB, RsGsBs
Connectors	5 BNC female
Minimum/maximum levels	Analog 0.7V to 0.9V p-p (internal jumper-selectable) with 0.7V p-p input and peaking
Impedance	75 ohms
Return loss	-48dB @ 5 MHz

Sync

Input type	RGBHV, RGBS, RGSB, RsGsBs
Output type	RGBHV, RGBS, RGSB, RsGsBs; TTL buffered to RGB 320 control unit
Input level	3.0V to 5.0V p-p (referenced to ground)
Output level	4.0V to 5.0V p-p
Input impedance	10 kohms
Output impedance	75 ohms
Max propagation delay	45 nS
Max. rise/fall time	3.9 nS
Polarity	Positive, negative

Audio — buffered to RGB 320

Gain	Unbalanced 0dB, balanced +6dB
Frequency response	20 Hz to 20 kHz, ± 0.05 dB
THD + Noise	0.03% @ 1 kHz, 0.3% @ 20 kHz at rated maximum output drive
S/N	>90dB at rated maximum output (17dBu), balanced
Stereo channel separation	>95dB @ 1 kHz to 20 kHz

Audio input — buffered to RGB 320

Number/signal type	1 stereo, unbalanced; 1.0V _{rms} (+4dBu), 20 Hz to 20 kHz
Connectors	3.5 mm stereo jack (2 channel), unbalanced; tip (L), ring (R), sleeve (ground)
Impedance	>10 kohms unbalanced, DC coupled
Minimum level	100mV
Maximum level	+8.5dBu

Audio output — buffered to RGB 320

Number/signal type	1 buffered, stereo (2 channel), balanced/unbalanced
Connectors	1 3.5 mm captive screw connector, 10 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	± 0.1 dB channel to channel
Maximum level (into RGB 320 audio input)	> +16dBm, balanced at stated %THD+N

